

Please type a plus sign (+) inside this box → ☐

PTO/SB/50 (02-01)

Approved for use through 01/31/2004. OMB 0651-0033

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## REISSUE PATENT APPLICATION TRANSMITTAL

Address to:

Mail Stop Reissue  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22310-1450

Attorney Docket No.	EGG-PI-413A RE
First Named Inventor	Detering et al
Original Patent Number	5,935,293
Original Patent Issue Date (Month/Day/Year)	August 10, 1999
Express Mail Label No.	

### APPLICATION FOR REISSUE OF:

(check applicable box)

☒ Utility Patent

☐ Design Patent

☐ Plant Patent

### APPLICATION ELEMENTS (37 CFR 1.173)

1. ☒ Fee Transmittal Form (e.g., PTO/SB/56)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification and Claims in a double column copy of patent format (amended, if appropriate)
4. ☒ Drawing(s) (proposed amendments, if appropriate)
5. ☒ Reissue Oath / Declaration (original or copy)  
(37 C.F.R. § 1.175)(PTO/SB/51 or 52)
6. ☐ Power of Attorney
7. Original U.S. Patent currently assigned? ☒ Yes ☐ No  
(If Yes, check applicable box(es))
  - ☒ Written Consent of all Assignees (PTO/SB/53)
  - ☒ 37 C.F.R. § 3.73(b) Statement (PTO/SB/96)
8. ☐ CD-ROM or CD-R in duplicate, Computer Program (Appendix) or large table
9. Nucleotide and/or Amino Sequence Submission  
(if applicable, all of the following are necessary)
  - a. ☐ Computer Readable Form (CFR)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM (2 copies) or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

### ACCOMPANYING APPLICATION PARTS

10. ☒ Statement of status/support for all changes to the claims.  
See 37 CFR 1.173(c).
11. ☐ Original U.S. Patent for surrender
  - ☐ Ribbonded Original Patent Grant
  - ☐ Statement of Loss (PTO/SB/55)
12. ☐ Foreign Priority Claim (35 U.S.C. 119)  
(if applicable)
13. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
14. ☐ English Translation of Reissue Oath/Declaration  
(if applicable)
15. ☒ Preliminary Amendment
16. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
17. ☒ Other: Offer to Surrender

### 18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

★ ★

or ☐ Correspondence address below

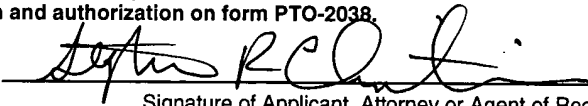
PATENT TRADEMARK OFFICE

Name	Stephen R. Christian				
	Bechtel BWXT Idaho, LLC				
Address	P.O. Box 1625				
City	Idaho Falls	State	Idaho	Zip Code	83415-3899
Country	U.S.A.	Telephone	208-526-9140	Fax	208-526-8339


NAME (Print/Type)	Stephen R. Christian	Registration No. (Attorney/Agent)	32,687
Signature	<i>Stephen R. Christian</i>	Date	31 JULY 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>REISSUE APPLICATION FEE TRANSMITTAL FORM</b>						Docket Number (Optional) EGG-PI-413A RE		
<b>Claims as Filed - Part 1</b>								
Claims in Patent	For	Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity		
				Rate	Fee	Rate	Fee	
(A) 23 (C) 4	Total Claims (37 CFR 1.16(j)) Independent Claims (37 CFR 1.16(i))	(B) 23 (D) 4	**** 0	=	X\$ _____ =	or	X\$18=	0.00
			* 0	=			X\$84=	0.00
Basic Fee (37 CFR 1.16(h))					\$ _____	OR	\$ 750.00	
Total Filing Fee					\$ _____		\$ 750.00	
<b>Claims as Amended - Part 2</b>								
	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	*** 23	MINUS	** 23	=0	X\$ _____ =	or	X\$18=	0.00
Independent Claims (37 CFR 1.16(i))	*** 4	MINUS	***** 4	=0	X\$ _____ =		X\$84=	0.00
Total Additional Fee					\$ _____	OR	\$0.00	
<p>* If the entry in (D) is less than the entry in (C), Write "0" in column 3.</p> <p>** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.</p> <p>*** After any cancellation of claims</p> <p>**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).</p> <p>***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).</p> <p><input type="checkbox"/> Applicant claims small entity status. See 27 CFR 1.27.</p> <p><input checked="" type="checkbox"/> Please charge Deposit Account No. <u>05-0565</u> in the amount of <u>\$750.00</u>. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. <u>05-0565</u>. A duplicate copy of this sheet is enclosed.</p> <p><input type="checkbox"/> A check in the amount of \$_____ to cover the filing / additional fee is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on form PTO-2038.</b></p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;"> <p><u>31 JULY 2003</u></p> <p>Date</p> </div> <div style="text-align: center;">   <p>Signature of Applicant, Attorney or Agent of Record</p> </div> </div> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;"> <p>Stephen R. Christian</p> <p>Typed or printed name</p> </div> <div style="text-align: center;"> <p>Reg. No. 32,687</p> </div> </div>								

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT</b>		Docket Number (Optional) EGG-PI-413A RE
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) Brent A. Detering; Alan D. Donaldson; James R. Fincke; Peter C. Kong; Ray A. Berry		
Patent Number 5,935,293	Date Patent Issued August 10, 1999	
Title of Invention FAST QUENCH REACTOR METHOD		
<p>1. <input checked="" type="checkbox"/> Filed herein is a certificate under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent has been made.</p> <p>One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".</p> <p>The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.</p>		
The assignee owning an undivided interest in said original patent is/are <u>BECHTEL BWXT IDAHO, LLC</u> and the assignee(s) consents to the accompanying application for reissue.		
Name of assignee/inventor (if not assigned) BECHTEL BWXT IDAHO, LLC		
Signature 	Date 21 July 2003	
Typed or printed name and title of person signing for assignee (if assigned) Mark D. Olsen, Assistant Secretary		

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Reissue Application of:**

Detering et al

**Reissue Serial No.:** Not Yet Assigned

**Filed:**

**Patent No.:** 5,935,293

**Issue Date:** August 10, 1999

**For:** FAST QUENCH REACTOR  
METHOD

**Confirmation No.:** Unknown

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** EGG-PI-413A RE

NOTICE OF EXPRESS MAILING

Express Mail Mailing Label Number: ER202502548US

Date of Deposit with USPS: July 31, 2003

Person making Deposit: Mandy Landon

**OFFER TO SURRENDER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned applicant of the accompanying reissue application of Letters Patent for "FAST QUENCH REACTOR METHOD", U.S. Patent No. 5,935,293, granted August 10, 1999, of which BECHTEL BWXT IDAHO, LLC is now sole owner by assignment and on whose behalf and with whose assent the accompanying application is made, hereby offers to surrender said Letters Patent.

Pursuant to 37 C.F.R. § 3.73, the undersigned representative of the Assignee has reviewed the evidentiary documents, specifically:

**Attorney Docket No. EGG-PI-413A RE**

1. The Assignment from Brent A. Detering, Alan D. Donaldson, James R. Fincke, Peter C. Kong, and Ray A. Berry to Lockheed Martin Idaho Technologies Company, recorded July 30, 1998, at Reel 9354, Frame 0196; and

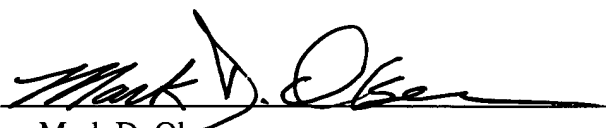
2. The Assignment from Lockheed Martin Idaho Technologies Company to Bechtel BWXT Idaho, LLC, recorded February 1, 2000, at Reel 010589, Frame 0070.

The undersigned further avers that he is empowered to make and sign the foregoing certification on behalf of the Assignee, and to take the action set forth herein on behalf of the Assignee, pursuant to a resolution of its Board of Directors.

Respectfully submitted,

BECHTEL BWXT IDAHO, LLC

Dated: 30 July 2003

By:   
Mark D. Olsen  
Assistant Secretary